



New Patent Application  
Docket No. 32860-000634/US

### Description

#### GAS AND STEAM POWER PLANT FOR WATER DESALINATION

[0001] The present application hereby claims priority under 35 U.S.C. §119 on European patent application number EP 02023801.0 filed October 23, 2002, the entire contents of which are hereby incorporated herein by reference.

#### Field of the Invention

[0002] The invention generally relates to a gas and steam power plant for water desalination, in particular for sea water desalination.

#### Background of the Invention

[0003]—To process water containing salt, for example into drinking and/or industrial water, it is necessary to desalinate the water as efficiently as possible.

[0003] In particular in regions where there is a shortage of water and in which only sea water containing salt is available, the processing of sea water by means of desalination is often vital.

[0004] To this end, water must be heated - usually in several stages - in order to be able to largely separate the salt proportion. A relatively large quantity of energy is required for this purpose.

#### SUMMARY OF THE INVENTION

[0005] ~~The~~ An object of an embodiment of the invention is therefore to specify a gas and steam power plant for water desalination, by means of which the water desalination is possible with energy being utilized in an especially effective manner.

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